

301.2 - Cement Fineness

SRM 46h is only to determine sieve residue according to ASTM C430. Each set consists of 10 sealed vials, each containing approximately 5g of cement.

SRM 114q is for calibrating the Blaine fineness meter according to the latest issue of ASTM C204, to calibrate the Wagner turbidimeter according to ASTM C115, to determine sieve residue according to ASTM C430, and to verify procedure for particle size distribution by a laser diffraction method (no-standard method available). Each set consists of 20 sealed vials, each containing approximately 5g of cement.

For further information see [SP 260-161](#) [SP 260-166](#).

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit of Issue	Properties Certified	Value
46h	Portland Cement Fineness Std	10 x 5 g	Sieve Residue (45 µm residue) (No. 325)	7.43 %
114q	Portland Cement Fineness Std	set (20)	Residue on 45 µm (No. 325) sieve	0.79 %
			Specific Surface area (Wagner turbidimeter)	2183 cm ² g ⁻¹
			Specific Surface area (Blaine Air Permeability Apparatus)	3818 cm ² g ⁻¹
			Particle Size Distribution	1-128 µm

Certified values are normal font.
Reference values are italicized.
Values in parentheses are for information only.